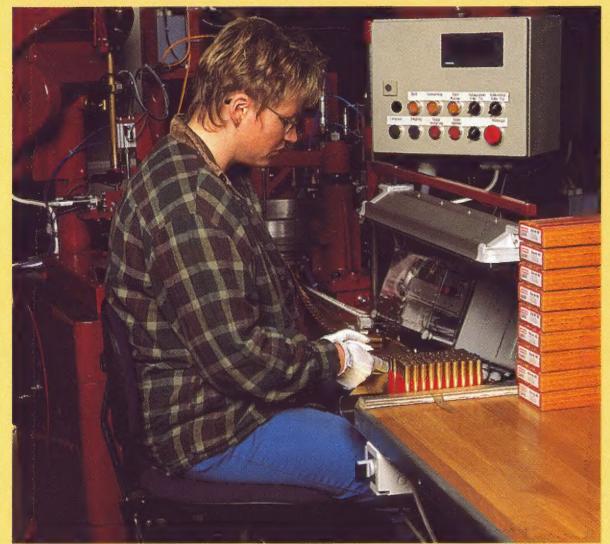
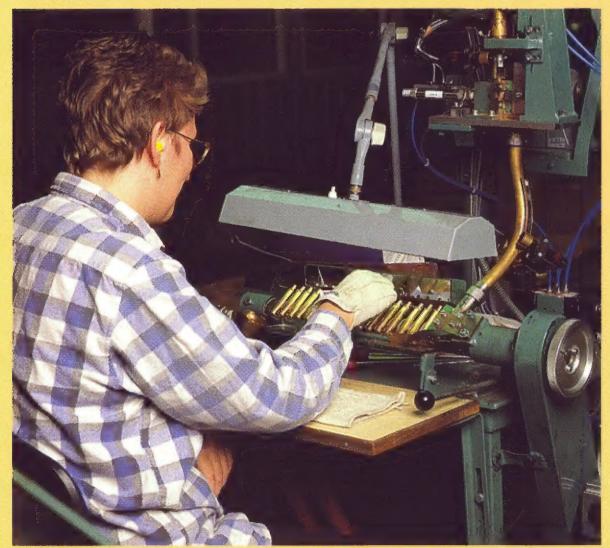
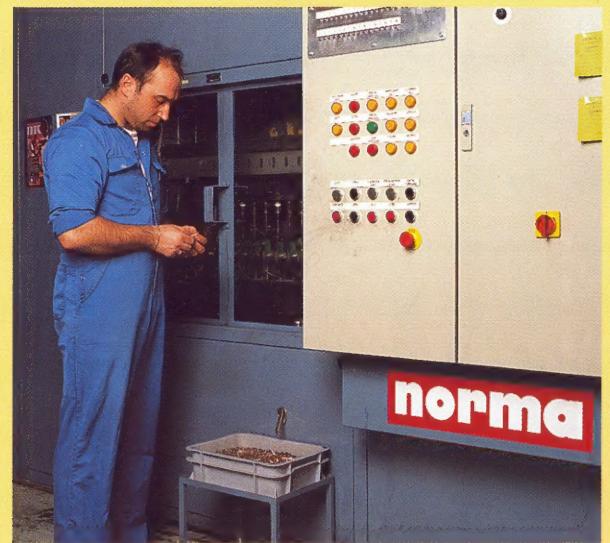


norma

precision for high demands.



**Ammunition for
hunting and shooting**



Norma

- at the hunting's and the marksman's service since 1902.

Norma has been manufacturing ammunition in the beautiful Värmland since 1902, when two Norwegian brothers launched the activity in Åmotfors. Through the years, we have been producing ammunition for both military and civil use. But today we dedicate maximum concentration to civil production. The long experience of ammunition manufacturing, has given the Norma personnel a professional skill that's quite unique. Most of our co-workers are hunters and marksmen themselves and are therefore well familiar with the high demands that every user of hunting- and shooting ammunition has.

The manufacturing facility in Åmotfors is a very scientifically designed operation and allows a flexible production, which can be easily adjusted to the market's fluctuating needs. The supervision of the production is extensive, with a number of controls and measurements in the production flow. Each cartridge goes through more than 30 quality control inspection stations before it's approved and ready for delivery. A certain number of the finished cartridges are consumed at our own shooting-ranges, so that we can check the ballistic qualities as well as the effectiveness.

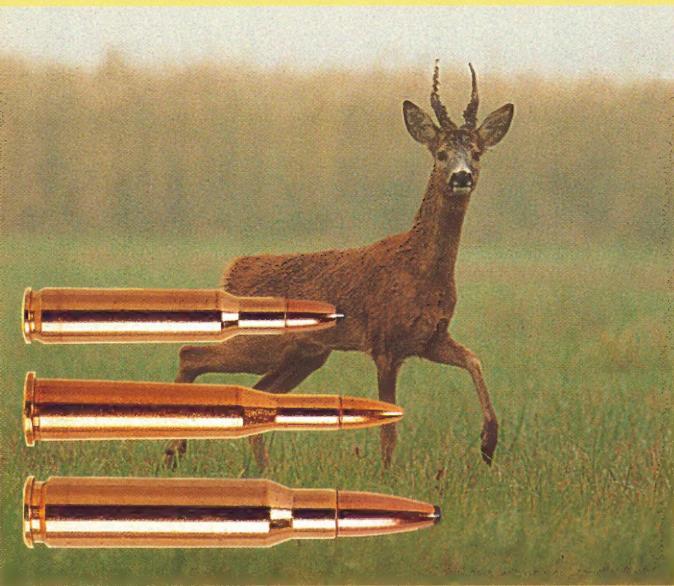
Norma of today, is one of Europe's leading manufacturers of civil ammunition. Our products are to be found in any situation involving hunting and shooting. We are represented in all parts of the world, with an extensive distribution network of competent and service-minded wholesale dealers, importers and retailers.

Our business charter puts quality in the seat of honour.

Norma has a reputation of reliability and precision, only because our products are designed to have the best function and accuracy possible. We have a reputation to be proud of and we are going to keep it by providing our clients with superior products and first class service.

BUSINESS CHARTER
 "Norma shall develop, manufacture and sell ammunition for hunting and shooting. Our products shall have the highest quality and be superior in accuracy and effectiveness."

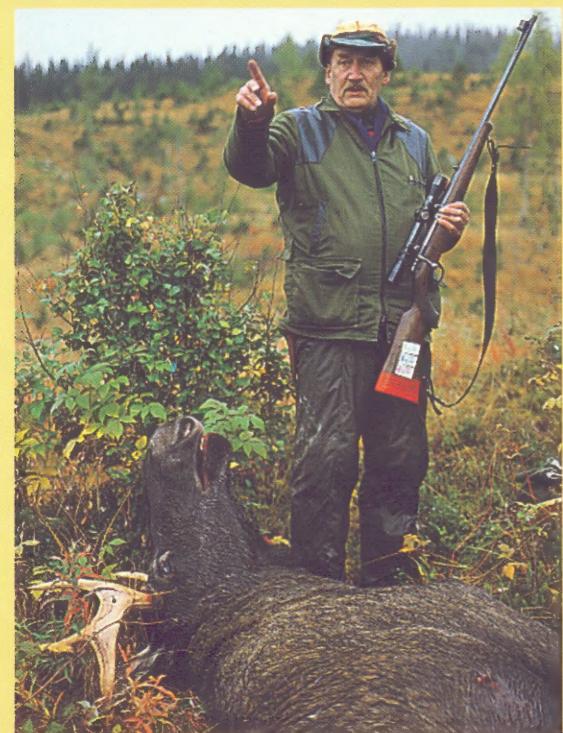
Hunting



Calibre	Bullet style/Ref. no. Bullet weight g/gr	V ₀ f/sec	E ₁₀₀ f. pound	Ball. coef.	Calibre	Bullet style/ Ref. no. Bullet weight g/gr	V ₀ f/sec	E ₁₀₀ f. pound	Ball. coef.
.220 Swift Soft point/15701 3,2 g/50 gr.	4019	1252	.18		7x61 S&H Soft point/17011 10,0 g/154 gr	3061	2737	.41	
.222 Rem Soft point/15711 3,2 g/50 gr	3248	805	.18		7 mm Rem Mag Soft point/17021 10,0 g/154 gr	3182	2960	.41	
.222 Rem Full jacket/15713 3,2 g/50 gr	2789	593	.19		7 mm Rem Mag Vulkan/17024 11,0 g/170 gr	3018	2845	.35	
.222 Rem Soft point/15716 4,0 g/62 gr	2821	787	.21		7x64 Soft point/17013 10,0 g/154 gr	2821	2320	.42	
.22-250 Soft Point/15733 3,4 g/53 gr	3707	1218	.23		7x64 Vulkan/17018 11,0 g/170 gr	2756	2362	.35	
5,6x52R Soft point 4,6 g/71 gr	2789	943	.26		7x65 R Vulkan/17029 11 g/170 gr	2658	3137	.35	
5,6x52R Full jacket/15605 4,6 g/71 gr	2789	943	.26		.280 Rem Soft point/17050 10,0 g/154 gr	2871	2408	.42	
.243 Win Full jacket/16002 6,5 g/100 gr	3100	1777	.35		.280 Rem Vulkan/17051 11,0 g/170 gr	2707	2275	.35	
.243 Win Soft point/16003 6,5 g/100 gr	3100	1779	.35		7,5x55 Swiss Soft point/17511 11,7 g/180 gr	2651	2370	.40	
6,5 Jap. Soft point/16531 9,0 g/139 gr	2362	1441	.41		7,62 Russian Soft point/17637 9,7 g/150 gr	2953	2285	.28	
6,5 Jap. Soft point/16532 10,1 g/156 gr	2067	1160	.32		7,62 Russian Soft point/17634 11,7 g/180 gr	2575	2230	.40	
6,5 Carcano Soft point/16537 9,0 g/139 gr	2575	1725	.41		.300 Win Mag Soft point/17680 11,7 g/180 gr	3018	3099	.40	
6,5 Carcano Soft point/16535 10,1 g/100 gr	2428	1628	.32		.300 Win Mag Vulkan/17644 13,0 g/200 gr	2887	3067	.33	
6,5x55 Soft point/16553 9,0 g/139 gr	2526	1657	.41		.30-06 Soft point/17643 9,7 g/150 gr	2986	2338	.28	
6,5x55 Vulkan/16558 9,0 g/139 gr	2854	2036	.32		.30-06 Soft point/17648 11,7 g/180 gr	2789	2361	.25	
6,5x55 Nosler/16559 9,1 g/140 gr	2789	2094	.46		.30-06 Nosler/17649 11,7 g/180 gr	2789	2665	.43	
6,5x55 Soft point/16552 10,1 g/156 gr	2644	1947	.32		.30-06 Vulkan/17659 11,7 g/180 gr	2789	2499	.31	
6,5x55 Vulkan/16556 10,1 g/156 gr	2644	1985	.35		.30-06 Soft point/17682 11,7 g/180 gr	2461	2030	.40	
.270 Win Soft point/16902 8,4 g/130 gr	3140	2354	.35		.30-06 Vulkan/17684 13,0 g/200 gr	2641	2533	.34	
.270 Win Soft point/16903 9,7 g/150 gr	2799	2164	.37		.30-30 Win Soft point/17630 9,7 g/150 gr	2379	1394	.25	
7x57 Soft point/17002 10,0 g/154 gr	2690	2106	.42		.308 Win Soft point/17624 9,7 g/150 gr	2887	2180	.28	
7x57R Full jacket/17006 9,7 g/150 gr	2690	2058	.50		.308 Win Nosler/17635 11,7 g/180 gr	2641	2386	.44	
7x57R Soft point/17005 10,0 g/154 gr	2625	2001	.42						

Hunting

Calibre	Bullet style/Ref. no	V ₀ f/sec	E ₁₀₀ f. pound	Ball. coef.	Calibre	Bullet style/Ref. no	V ₀ f/sec	E ₁₀₀ f. pound	Ball. coef.
.308 Win Soft point/17636 11,7 g/180 gr	2641	2106	.25		8x57 JS Vulkan/18020 12,7 g/196 gr	2526	2255	.34	
.308 Win Vulkan/17660 11,7 g/180 gr	2641	2222	.30		8x57 JRS Alaska/18018 12,7 g/196 gr	2395	1968	.30	
.308 Win Soft point/17681 11,7 g/180 gr	2461	2030	.40		.338 Win Mag Nosler/18502 16,2 g/250 gr	2657	3389	.47	
.308 Win Vulkan/17683 13,0 g/200 gr	2461	2178	.34		.358 Norma Mag Woodleigh/19005 16,2 g/250 gr	2799	3621	.37	
.308 Norma Mag Soft point/17638 11,7 g/180 gr	3018	3099	.40		.358 Norma Mag Soft point/19004 16,2 g/250 gr	2799	3345	.26	
.308 Norma Mag Vulkan/17650 13,0 g/200 gr	2903	3067	.33		9,3x57 Vulkan/19305 15,0 g/232 gr	2329	2121	.27	
7,65 Arg Soft point/17701 9,7 g/150 gr	2661	1893	.32		9,3x57 Soft point/19303 18,5 g/286 gr	2067	2183	.36	
7,65 Arg Soft point/17702 11,7 g/180 gr	2592	2284	.42		9,3x62 Vulkan/19317 15,0 g/232 gr	2625	2732	.27	
.303 British Soft point/17712 9,7 g/150 gr	2723	1974	.31		9,3x62 Soft point/19315 18,5 g/286 gr	2362	2889	.36	
7,7 Jap Soft point/17721 8,4 g/130 gr	2953	1993	.29		9,3x74R Vulkan/19321 15,0 g/232 gr	2625	2732	.27	
7,7 Jap Soft point/17722 11,7 g/180 gr	2493	2105	.42		9,3x74R Soft point/19320 18,5 g/286 gr	2362	2889	.36	
8x57 JS Soft point/18003 12,7 g/196 gr	2526	2192	.30		.375 H&H Soft point/19502 19,5 g/300 gr	2549	3260	.25	



Weatherby Magnum

Our bullet types

Soft point

A well designed all-purpose bullet. It ensures good penetration even at long distances. The bullet delivers good mushrooming even on small game. Soft point is an extremely good all-round bullet for small and medium game.



Alaska

A very stable trajectory. It gives a moderate expansion but good mushrooming. The jacket is reinforced in the rear part. Alaska is a superb bullet for medium and heavy game.



Nosler

An american manufactured bullet with two lead cores. The cores are separated by a partition, the front core consisting of soft lead allowing a rapid mushrooming, and the rear core of lead alloy retaining its shape even after impact. The design secures a high penetration even in bone.



Vulkan

Reinforced by the folded front of the jacket which delays expansion until the bullet has penetrated deeply. The bullet penetrates deeper before the mushrooming occurs. When expansion starts, however, it rapidly reaches double the diameter. This ensures excellent internal energy transfer, even on heavy game. Vulkan have an "Internal locking of the lead" which secures a high rest weight even on hitting bone.



Jaktmatch - ammunition for practising



Calibre	Bullet type	Bullet weight g/grains	V ₀ f/sec	Ball. coef.
.22 Long Rifle	Lead round nose/15612	2,6 g/40 gr	1066	-
.222 Rem	Full jacket/15715	3,2 g/50 gr	3248	.19
6,5x55	Full jacket/16524	5,2 g/80 gr	2969	.16
6,5x55	Hollow point/16527	6,5 g/100 gr	2625	.35
6,5x55 Elektron	Full jacket/16525	9,0 g/139 gr	2526	.58
7 mm Rem Mag	Full jacket/17026	9,7 g/150 gr	2995	.44
.30-06	Full jacket/17651	9,5 g/146 gr	2772	.42
.308 Win	Full jacket/17622	9,5 g/146 gr	2657	.44
8x57 JS	Full jacket/18009	8,0 g/123 gr	2821	.19
9,3x57	Full jacket/19306	15,0 g/232 gr	2215	.38
9,3x62	Full jacket/19318	15,0 g/232 gr	2510	.38

Sport Shooting



Pistol- and revolverammunition

Calibre	Bullet style/Ref. no	V ₀ f/sec	E ₁₀₀ f. pound	Calibre	Bullet style	Bullet weight g/grain	V ₀ f/sec	E ₁₀₀ f. pound
.32 ACP	Full jacket round nose/17614	899	122	.357 Magnum	Soft point flat nose/19107	10,2 g/158 gr	1214	374
5,0 g/77 gr				10,2 g/158 gr				
.32 S&W Long	Lead, wadcutter/17810	787	102	.38 Special	Security cartridges/19131	8,1 g/125gr	1033	236
6,4 g/98 gr				8,1 g/125gr				
9 mm Luger	Hollow point/19021	1165	236	.38 Special	Lead, wadcutter/19110	9,6 g/148 gr	705	138
7,4 g/115 gr				9,6 g/148 gr				
9 mm Luger	Soft point flat nose/19026	1165	235	.38 Special	Lead, round nose/19112	10,2 g/158 gr	755	174
7,5 g/116 gr				10,2 g/158 gr				
9 mm TC	Auto/19036	1280	249	.38 Special	Full jacket semi wc/19114	10,2 g/158 gr	804	198
8 g/123 gr				10,2 g/158 gr				
9 mm TC	Luger/19035	1099	215	.38 Special	Soft point flat nose/19124	10,2 g/158 gr	804	195
8 g/123 gr				10,2 g/158 gr				
.357 Magnum	Security cartridges/19104	1673	490	10 mm Auto	Hollow point/11002	11,0 g/170 gr	1299	407
8,1 g/125 gr				11,0 g/170 gr				
.357 Magnum	Hollow point/19101	1214	374	10 mm Auto	Truncated cone/11001	13,0 g/200 gr	1115	427
10,2 g/158 gr				13,0 g/200 gr				
.357 Magnum	Full jacket semi wc/19106	1214	368	.44 Magnum	Power Cavity/11103	15,6 g/240 gr	1280	591
10,2 g/158 gr				15,6 g/240 gr				

Competition ammunition



Bullets 100 bullet/box			
Calibre	Ref. no	Weight	Bullet style
5,6 mm	65604	71	Soft point semi p
.228"	65605	71	Full jacket semi p
.22 cal	65701	50	Soft point semi p
.224"	65702	50	Full jacket semi p
	65704	53	Soft point Spire p
	65705	62	Soft point
6 mm	66002	100	Full jacket semi p
.224"	66003	100	Soft point semi p
9 mm	69021	115	Soft point hollow
.365"	69026	116	Soft point flat nos
	69027	?	Full jacket TC
6,5 mm	66520	100	Hollow point
.264"	66516	139	Full jacket pointed
	66517	139	Hollow point
	66531	139	Soft point semi p
	66533	139	Vulkan
	66532	156	Soft point nose
	66535	156	Vulkan
	66507	??	Hollow point VLD
.270 cal	66902	130	Soft point semi p
.227"	66903	150	Soft point semi p
7 mm	67003	150	Full jacket semi p
.283"	67033	154	Soft point
	67006	170	Vulkan
.30 cal	67610	77	Full jacket round n
.308"	67651	146	Full jacket pointed
	67624	150	Soft pointed sem
	67630	150	Soft point flat no
	67625	180	Soft point semi p
	67648	180	Soft point Alaska
	67653	180	Vulkan
	67654	200	Vulkan

Reloading



Powders		
Powder type	Ref. no	Canister
200 Norma	93200-5	500 g
201 Norma	93201-5	500 g
202 Norma	93202-5	500 g
204 Norma	93204-5	500 g
MRP Norma	93215-5	500 g
R-1 Norma	91101-5	250 g
R-123 Norma	91123-5	250 g

Cases		
Calibre	Ref. no	Pcs/box
.222 Rem	25711	20
.22-250	25731	20
.243 Win	26001	20
6,5x55	26551	20
.270 Win	26901	20
7x57R	27004	20
7x61 Super	27011	20
7x64	27012	20
.280 Rem	27050	20
7 mm Rem Mag	27021	20
.308 Win	27263	20
.30-30 Win	27630	20
.308 Norma Mag	27637	20
.30-06	27640	20
.300 Win Mag	27666	20
.303 British	27711	20
.32 S&W Long	27811	50
8x57 JS	28001	20
.338 Win Mag	28504	20
.358 Norma Mag	29001	20
9 mm Luger	29021	50
.357 Magnum	29101	50
.38 Special	29110	50
9,3x57	29301	20
9,3x62	29311	20
9,3x74R	29321	20
.375 H&H	29501	20
10 mm auto	21001	50
.44 magnum	21101	50

Cases Weatherby Mag		
Calibre	Ref. nr	Pcs/box
.224 WM Norma	25740	20
.240 WM Norma	26020	20
.257 WM Norma	26502	20
.270 WM Norma	26912	20
7 mm WM Norma	27032	20
.300 WM Norma	27660	20
.340 WM Norma	28602	20
.378 WM Norma	29512	20
.416 WM Norma	21065	20
.460 WM Norma	21160	20

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norma

precision for high demands.



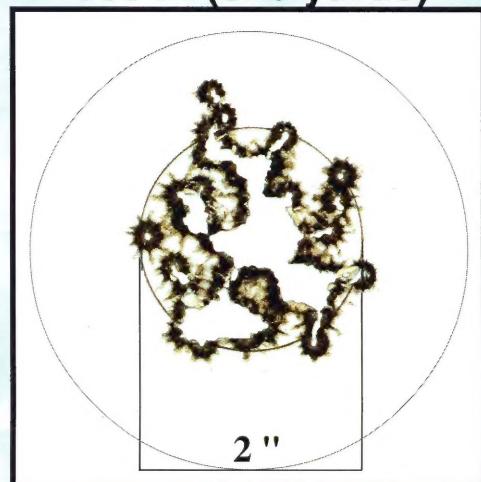
6 mm Norma BR is a new Diamond Line long range cartridge, designed as an extreme accuracy cartridge. The coated bullet reduces friction and fouling while decreasing barrel wear.

This cartridge has very mild recoil while winddrift is about 20 % less than the .308 Winchester.

Shooters have given this cartridge wide publicity in their appreciation of the superior performance.

6 mm Norma BR is definitely here to stay.

**60 shot Test target
300 m (328 yards)**



This test target is shot at 300 m (328 yards) with the first factory loaded batch. 58 of the 60 shots are "Inner Tens". The diameter of the inner circle is 2 inches.



Technical data

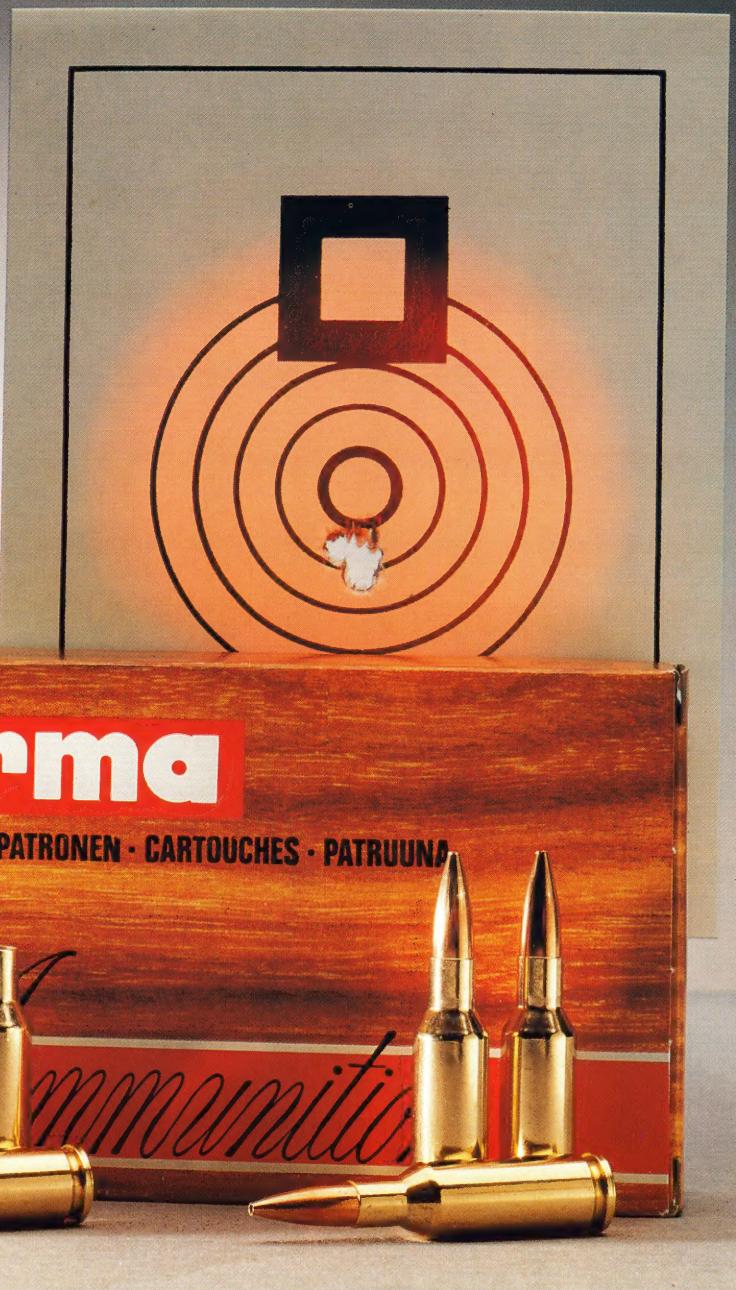
Velocity	2822 fps
Bullet	Sierra 107 gr. Diamond Line
O.A.L	2.37 inches
Pressure	55100 psi (inside case)
Powder	New Norma 203
Powd. weight	30.8 gr

- Reduces pressure
- Reduces friction
- Reduces fouling
- Makes cleaning easier
- Enhanced accuracy
- Decreases barrel wear

For bench rest shooters:

**MAXIMUM
ACCURACY WITH
NORMA**

**6 PPC
USA!**

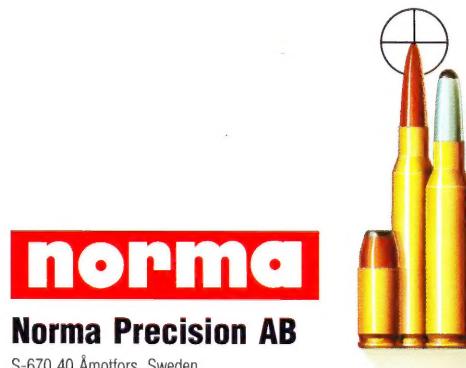


The famous PPC (Pindell-Palmisano Corporation) case is now produced by Norma.

This case was developed to give maximum accuracy for bench rest shooters. More than 90% of all world records in bench rest shooting has been shot with this case. It has totally dominated accuracy shooting up to 200 meters for the last 15 years.

- Norma now produces PPC cases in co-operation with Dr Louis Palmisano, which is a guarantee for matching quality demands.
- The case is considerably harder than normal cases in order to minimize stretching.
- Flash hole is only 1.6 mm which ensures good ignition of the powder.
- Variation in case wall thickness is held to a minimum.
- No other PPC case on the market has higher volume than ours.
- For handloaders we recommend Norma 201 powder – the most preferred powder by bench rest shooters.

Cases and loaded ammunition are available in .22 PPC USA and 6 PPC USA. Sierra Match Kings in 52 grains and 70 grains are used.



norma

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